CITY OF Springfield PUBLIC WORKS

PUBLIC WORKS ANNUAL REPORT 2018

CONTENTS:

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Assistant Director
OPERATIONS

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Assistant Director
ENGINEERING

FROM THE DIRECTOR:

This past year was one that saw many accomplishments, problems solved and challenges overcome. This year's Annual Report helps to illustrate the breadth of services and expertise provided by our Public Works staff. From the potholes filled to the bridges built, we hope you will learn something new about our operations and community impact.

In 2018, there were many notable projects completed, but a few that stand out are the Grand Street Bridge project, groundbreaking of the West Meadows Trail Project, and the numerous improvements in safety measures taken across our department. Our ability to identify opportunities and implement a proactive approach was impressive, and most notably, during the handling of the emerald ash borer (invasive pest harming trees) discovery. These all served as examples of how our staff routinely exceed expectations to provide basic services and more for our citizens.

Every day, our team plays a pivotal role in maintaining our roadways and public grounds, responding to emergencies, and promoting a safe livable space with trails and walkways. Thank you to the staff and private contractors who dedicate their time to help us serve that role for the City and its citizens.

I'd be remiss to not shine a light on the resounding support shown for the 1/4-cent Capital Improvement Sales Tax funding renewal with the extended 20 year sunset. I believe that this marks a tremendous show of faith and confidence from our community in the work completed and ongoing of every Public Works employee. Thank you to the community for your trust and daily support.

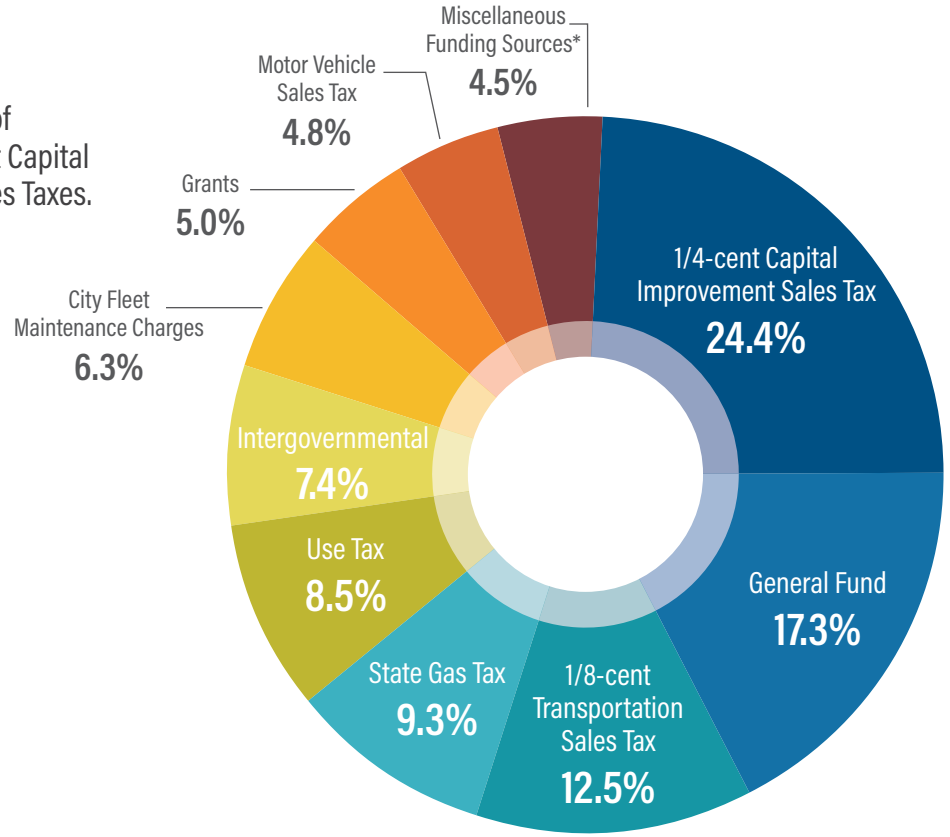
Dan Smith

DAN SMITH, P.E.
DIRECTOR

2018 BUDGET BREAKDOWN

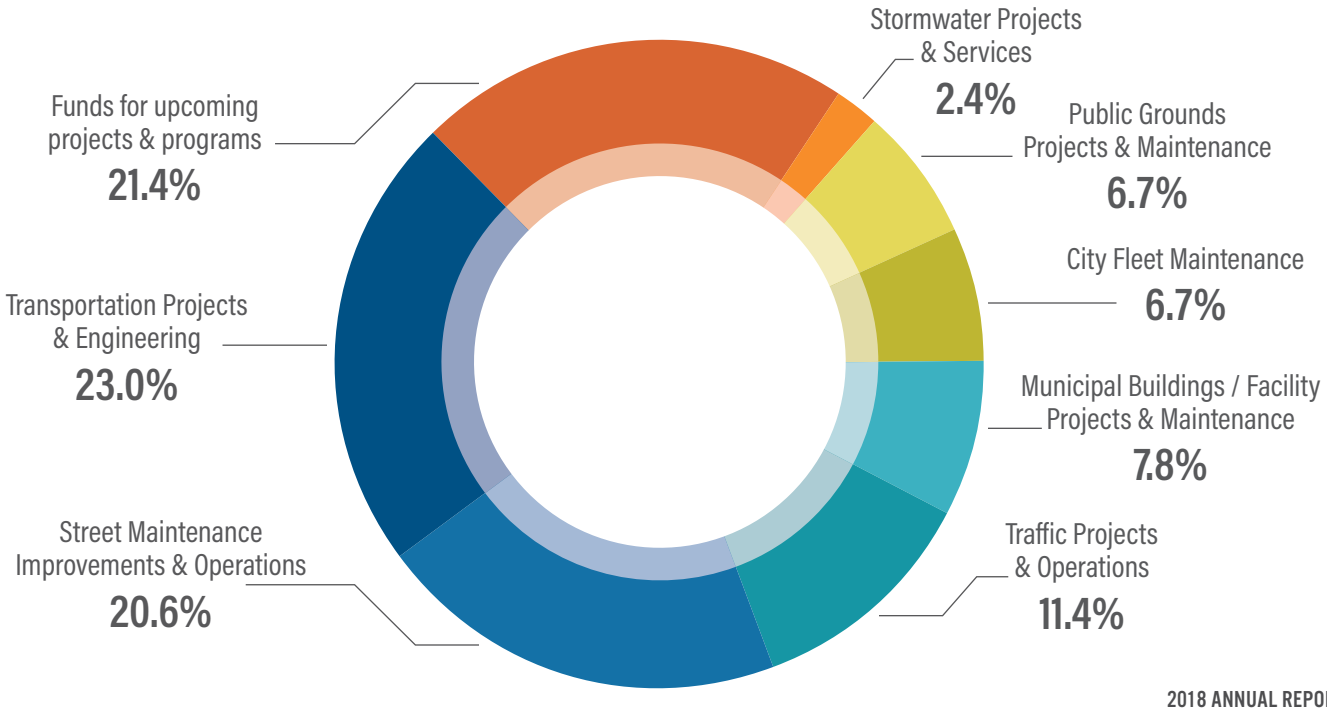
FUNDING SOURCES - FY2018 All Funds - $46,016,766

Public Works receives funding from a variety of sources including the voter-approved 1/4-cent Capital Improvement and 1/8-cent Transportation Sales Taxes.



* Miscellaneous Funding Sources include Utility Cut Repair Fees, Level Property Tax, and other miscellaneous funding.

FUNDING USES - FY2018 All Funds - $46,016,766



SPRINGFIELD TAKES PROACTIVE STANCE TO PRESERVE TREES

The Missouri Department of Conservation has confirmed the presence of the invasive forest pest, the emerald ash borer, in Greene County.

The emerald ash borer is an exotic beetle from Asia whose larvae feed on the inner bark of ash trees, killing the tree within the span of a few years. The beetle has already been responsible for the loss of tens of millions of ash trees in North America. Preventative insecticide treatment options exist, but they cannot eliminate an infestation once it occurs.

The City of Springfield is taking a proactive stance and has budgeted $75,000 for emerald ash borer management. The management of the issue is expected to affect less than 3% of the total urban tree canopy.

There are currently 380 City-managed ash trees located in public right-of-way. Springfield Public Work's Urban Forestry division has identified and inspected every City-managed ash within the last year, looking at factors such as location, size and health of the tree. This information was then used to develop removal and preventative treatment recommendations that identified 177 trees for treatment and 164 trees for removal and replacement.

The remaining 39 trees may be treated once, then re-evaluated. Ash trees will need to be treated once every one to three years depending on the treatment to keep them free of emerald ash borers.

177 TREES TO BE TREATED

164 TREES TO BE REMOVED & REPLACED

Information and resources can also be found on the City's website at http://www.springfieldmo.gov/emeraldashborer .

NEW POLICY GUIDE AIMS TO IMPROVE DRIVER, WORKER SAFETY IN CITY WORK ZONES

According to the Federal Highway Administration (FHWA), in 2017 there were 799 work zone fatalities nationwide, the majority of which were motorists, with 132 deaths accounting for roadway worker fatalities. On average, more than 40% percent of fatalities occur in low-speed work zones.

To improve the safety of motorists and workers in Springfield, the City has devised a Work Zone Policy Guide and associated Field Guide aimed at improving consistency in the design and implementation of common work-zone traffic-control measures on City-managed streets. Springfield is one of few cities of comparable size in the nation to create its own Work Zone Policy Guide.

Most cities and counties reference the federal Manual on Uniform Traffic Control Devices (MUTCD) in plans, permits and internal operations. Springfield's Work Zone Policy Guide was developed to provide additional clarification and guidance in developing and utilizing standard temporary traffic control plans on City streets. The Work Zone Policy Guide acts as a supplement to the MUTCD to improve consistency and motorist recognition of temporary traffic control with the goal of improved safety for all.

"The MUTCD is a very detailed federal guide that can be difficult to interpret," explains Brett Foster, Principal Engineer over Construction Inspection. "This guide is a tool to make it clearer and easier for City employees and contractors to consistently set up safe work zones and improve traffic and pedestrian safety during construction."

Public Works and Environmental Services staff formed a joint committee to develop the Work Zone Policy Guide. The guide provides customized, illustrated typical applications for work most commonly encountered on Springfield streets and sidewalks. When the typical applications provided don't adequately cover the required situation, the guide outlines the steps for employees to obtain guidance or seek clarification.

"The guide has been utilized for nearly a year with positive results and input from our traffic control workers and contractors," Foster says. "This is a working document that will continue to develop as we work together on ideas to make the temporary traffic control process better."

CITY AND OZARK GREENWAYS HOST CEREMONIAL GROUNDBREAKING FOR WEST MEADOWS TRAIL PROJECT

The City of Springfield and Ozark Greenways, Inc. hosted a ceremonial groundbreaking Nov. 7 for the construction of a new trail along the Jordan Creek in Springfield's West Meadows.

The City received a $250,000 Recreational Trails program (RTP) grant from the Missouri Department of Natural Resources (MDNR) to fund the 2,900 feet of hard-surface greenway trail, spanning from just west of Grant Avenue to Fort Avenue. A 20% required match will be provided through the 1/8-cent Transportation Sales Tax Alternative Transportation Program.

The trail will be a part of the vast Ozarks Greenways' network of 73 miles of greenways, and 81 miles of on-street bike routes.

"Trail networks connect and enhance communities and are a way to spur economic development, create a robust transportation network, and improve our quality of life," says Ozark Greenways, Inc. executive Director Mary Kromrey. "This project is a key next step in closing the gaps in the Jordan Creek Greenway trail. This trail will one day be over seven miles long and will provide connections to downtown, neighborhoods, parks, and countless other destinations."

The West Meadows is a brownfields redevelopment area located roughly between Main Avenue and Fort Avenue, just north of College Street (Historic Route 66) in downtown Springfield. The area is ripe with history. Historic Fulbright Spring, the location of one of Springfield's earliest settlements, was discovered on the site during extensive environmental cleanup. The area was also the location of a Union soldier encampment during the Civil War, and lies adjacent to historic Route 66.

The development of West Meadows is part of the community's Jordan Valley Concept Master Plan to redevelop the Jordan Valley through downtown Springfield. Work has been completed in Jordan Valley since the early 2000s, with $2 million in EPA-funded environmental brownfields clean-ups and the development of downtown amenities like Jordan Valley Park, Jordan Valley Commons, Mediacom Ice Park, Hammons field, and greenway trail connections.

"What people know as Jordan Valley Park now is actually recognized as 'East Meadows' in the original concept plan," explains City of Springfield Senior Planner and Brownfields Program Coordinator Olivia Hough. "West Meadows is an even larger block of open green space that carries the envisioned 'central park' concept through downtown."

Previous improvements in West Meadows include the restoration of Jordan Creek to a natural wetland corridor, with stormwater, flood control and water quality improvements, native vegetation and trees. The area comprises 18 acres of open urban green space with greenway trails planned for transportation and recreation.

"With currently no street access or parking available for West Meadows, this trail is the first step in opening this site up for public use," says Hough.

The Nov. 7 ceremony was the culmination of a day-long visit by EPA Region 7 Director Jim Gulliford and other EPA officials to visit brownfields clean-up sites and environmental projects in Springfield.

"This celebration highlights exactly how local solutions and partnerships can lead to big changes through brownfield redevelopment and land revitalization," said EPA Region 7 Administrator Jim Gulliford. "Years of continued efforts and contributions are transforming what was once a rail yard vulnerable to flooding into an urban greenway in the heart of Springfield. The whole team should be proud of what they've accomplished in Jordan Valley."

2018 TRAFFIC OPERATIONS

Traffic Operations is responsible for traffic planning and design, signs & markings installation, bicycle facilities, pedestrian, bicycle and vehicular safety and development review.

Scenic Avenue Sidepath & Sidewalk

SPECIAL PROJECTS:

SGF Yields Pedestrian Safety Program Update

The SGF Yields Program added three new Mr. Walkers with two placed at newly constructed crosswalks. The third Mr. Walker is coated "cardinal red" and was installed at the intersection of National and Trafficway near Hammons Field. In addition, SGF Yields promoted pedestrian safety at a number of events throughout 2018 and shared a Springfield Traffic Guide with major local employers that was estimated to reach thousands of citizens. At the Ozark Greenways' annual meeting in February, SGF Yields was recognized for its mission to make Springfield safer for pedestrians.

Neighborhood Works

The final round of Neighborhood Works funding was awarded to 13 projects. These neighborhood project awards total $799,472 that will be constructed in 2019. Four of the projects were new sidewalk requests, while the remaining eight projects were park improvement requests. In 2018, the City completed six of the eight Neighborhood Works projects awarded in 2017.

ADA Transition Plan

Traffic Operations administered a contract with Infrastructure Management Systems (IMS) to perform an inventory and assessment of the City's sidewalks and curb ramps. Based on the data provided by IMS, deficiencies were identified in 70% of the city's curb ramps and 60% of the sidewalk system. The ADA Transition Plan is currently under development and will address how the City will correct these deficiencies and bring the City's sidewalk and curb ramps into full ADA compliance.

SCHOOL SIDEWALKS

MORE THAN 2 MILES OF SIDEWALK WERE ADDED TO SCHOOL ROUTES IN 2018.

Madison between Kentwood & Delaware	830 ft.	Rountree
Lombard between Fairway & Glenstone	940 ft.	Rountree
Grand between 1655 E. Grand & Glenstone	600 ft.	Rountree
Monroe St. between Crutcher and Glenstone	1,000 ft.	Bingham
Link between Madison and Montroe	600 ft.	Bingham
Madison between Grandview & Barnes	1,000 ft.	Bingham
Missouri between Division & Hovey	380 ft.	Weaver
High between Golden & Drury	1,300 ft.	Williams
Olive between Golden & Glenn	1,090 ft.	Westport
Hillcrest between Elm & Lincoln	320 ft.	Westport
LaSalle between Fort & Broadway	1,500 ft.	Mann
Southern Hills between Cedarbrook & Lone Pine	1,630 ft.	Pershing

Street Sign & Pavement Markings Maintenance & Replacement

In 2018, Traffic Operations Signs & Markings Staff repaired and/or replaced 6,824 signs, while maintaining a total of 40,694 signs. In addition, the Signs & Markings Shop replaced 20 lane miles of thermoplastic and 305 lane miles of paint pavement markings.

Scenic Avenue Sidepath & Sidewalk Project

Traffic Operations designed, bid, and managed a new sidepath and sidewalk project that created a bike connection from the bike lanes on Battlefield Road to the South Creek Greenway Trail at Nathanael Greene Park. This project also completed a sidewalk segment from Battlefield Road to existing sidewalk that connected to Sunshine Street.


Pythian Street Crosswalk

Recreational Trails Program

Traffic Operations applied for and was awarded a Recreational Trails Grant from the Department of Natural Resources. This is a $250,000 (60%) grant for the construction of the Jordan Creek Greenway Trail - West Meadows Phase I from Fort Avenue to just west of Grant Avenue. A groundbreaking ceremony was held on November 7, 2018 with Regional EPA Administrators in attendance. The project is scheduled to be constructed in the summer/fall of 2019.

Mt. Vernon Street Lowering Project

Similar to what had been accomplished last year at Bennett Street and Enterprise Avenue, Traffic Operations designed, coordinated, and managed a project to lower Mt. Vernon Street between Laurel Avenue and Nolting Avenue and included the construction of new sidewalk and ADA features. The Street Operations division performed the work to lower Mt. Vernon Street 2.5 feet, addressing sight distance for vehicles turning to and from Mount Vernon Street from Laurel or Nolting avenues.

Community Crosswalk Safety Improvements

Traffic Operations Staff coordinated with the Street Operations division to complete pedestrian crossing improvements at high-volume crossing locations in the community complete with new curb ramps, raised medians, and enhanced pavement markings and signage. These improved crossings are located at Pythian street near Cooper Sports Complex/Lake Country Soccer, Walnut Lawn and Broadway near Horace Mann Elementary School, and Kimbrough Avenue near Bear Village.

Railroad Improvements

Traffic Operations Staff worked with both BNSF and MNA railroads to complete vehicular and/or pedestrian crossing and other maintenance improvements in the City of Springfield. Improvements were completed at the following locations:

BNSF:
- Division Street - Crossing
- Washington Avenue - Drainage
- Frisco Lane - Drainage
- Phelps Street - Removal
- LeCompte Avenue - Crossing
- National Avenue & Grant Avenue - Overpasses

MNA:
- Grand Street - Capital Project
- Scenic Avenue - Crossing

CITY-WIDE PEDESTRIAN CRASH DATA 2018

Springfield Public Works tracks the number, type and severity of crashes that occur on city streets. This data helps engineers determine whether or not an engineering solution could improve traffic safety.

PEDESTRIAN-INVOLVED CRASH SEVERITY

Injury Crashes	63
Fatality Crashes	3
2018 TOTAL CRASHES	**66**
2017 TOTAL CRASHES	**71**
2016 TOTAL CRASHES	**74**

PEDESTRIAN CRASH TYPE

Pedestrians hit crossing with signal	13
Pedestrians hit crossing against signal	7
Pedestrians hit crossing midblock/jaywalking not at intersection	12
Pedestrians hit crossing at unsignalized intersection	15
Pedestrians hit walking in and along the roadway	11
Pedestrians hit by a car leaving the roadway	1
Pedestrians hit on sidewalk crossing a driveway	3
Pedestrians hit at midblock crosswalk	2
Other	2
TOTAL	**66**

IN 2018
CRASHES WITH DRIVERS AT FAULT VERSUS PEDESTRIANS AT FAULT WERE ABOUT EQUAL.

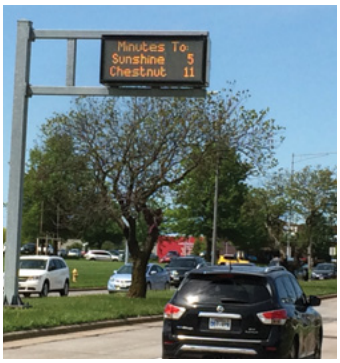
2018 TRANSPORTATION MANAGEMENT

The Transportation Management division is responsible for maintaining signal operations, traffic cameras, and dynamic messaging signs (DMS) as well as traffic data collection.

Public Works partners with the **Missouri Department of Transportation** to actively manage traffic flow throughout the Springfield-area roadway network through continuous traffic monitoring, traffic incident coordination, traveler information, and operation of the cooperative traffic signal system to improve mobility, promote safety and maintain reliability.

THE TRANSPORTATION MANAGEMENT CENTER MANAGES:

- 144 CCTV cameras covering 136 miles of freeway, arterial and secondary streets
- 92 WiFi sensors capable of collecting data on travel times via mobile devices
- 47 dynamic messaging signs (DMS)
- Traffic devices are connected by 118 miles of fiber optic cable and 34 miles via wireless communications.



TRAFFIC INCIDENT RESPONSE

26,170
Traffic incidents reported and posted to ozarkstraffic.com

6,038
Incidents confirmed by TMC via CCTV camera system

DMS MESSAGES

91
Incident-related messages posted per month.

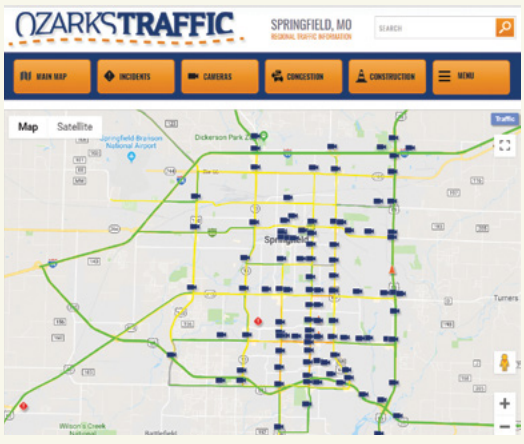
35
Maintenance or construction related messages posted per month.

SIGNAL SHOP

140 City Maintained Traffic Signals

130 MoDOT Signals

270 TOTAL TRAFFIC SIGNALS



AN IMPROVED REAL-TIME TOOL FOR TRAVELERS

System enhancements were completed in 2018 to improve traveler information of real-time traffic conditions. Automated messaging was implemented on dynamic messaging signs along roadway corridors throughout the city that display average travel times to common destinations. The system updates the messages as travel times change due to congestion, weather events, construction, or other traffic incidents affecting traffic flow. In addition, arterial congestion segments were added to the mapping on the OzarksTraffic.com that change color to reflect real-time travel times. The website also provides access to live video from the traffic monitoring cameras, and lists current incidents (accidents, stalled vehicles, etc.) and roadway construction information affecting traffic throughout the region. The website, which had approximately 100,000 unique visits in 2018, not only provides information directly to area residents, but is also utilized extensively for traffic reporting by local media.

STREET OPERATIONS 2018

The Street Operations division is responsible for maintenance of streets and stormwater drainage infrastructure as well as emergency work such as snow removal and flooding.

The Street Operations division is a maintenance- and project-driven operation. Street Operations mixes in-house work with contracted work to perform core functions, such as filling potholes, rehabilitating roadway surfaces, maintaining flow in stormwater channels, repairing trip hazards in sidewalks, patching utility cuts, and completing various projects. During the winter and severe weather events, the division will stop project activities and road maintenance to address emergency work such as snow removal and flooding.

STREET OPERATIONS MAINTAINS:

- > 1,770 travel lane miles of streets
- > 63 vehicle bridges
- > 6 pedestrian bridges
- > 640 miles of sidewalk
- > 544 stormwater grates
- > 1,764 service requests received for street work
- > 12.5 miles of brick sidewalk
- > 4.6 lane miles of alleyways

COMPLETED IN 2018:

- Asphalted 63 lane miles of roadway.
- Microsurfaced 49 lane miles of roadway.
- Repaired 2 miles of sidewalk and 41 sidewalk ramps.
- Cleared stormwater grates of debris and blockages 1,682 times.
- Regularly checked sinkholes, waterways under bridges, detention ponds, and completed biannual bridge inspections.
- 4,091 potholes repaired.
- Maintained 1.2 lane miles of alleyways
- Maintained 39 sinkholes.

STORMWATER & DRAINAGE MAINTENANCE

- Received 153 service requests for drainage and flooding issues. Street Operations crews assess reports of flooding on a residential property or business and respond by cleaning out ditches, inlets or grates, unblocking culverts, clearing debris from bridges and pumping excess water from sinkholes.
- 6,307 linear feet of ditching cleared of sediment and debris.

SNOW REMOVAL

- 647 travel lane miles are designated for plowing.
- 19,500 average lane miles plowed/treated per year.
- 2,042 average tons of salt used per year.

Winter 2018-2019 response:

- Crews mobilized for 11 snow/ice events.
- 9,326 lane miles plowed/treated.
- 1,296 tons of salt spread.

UTILITY CUTS

Street Operations completes the final repairs to the street upon completion of any service to underground utility or communications lines. A company must request a permit and reimburses the City for necessary repairs.

- 855 utility cut permits were issued to communication/utility companies.
- 853 utility cut permits completed.

2018 PUBLIC GROUNDS

Public Grounds is responsible for the design, planning, planting and management of vegetation along city rights-of-way, facility grounds and beautification projects within Springfield.

RIGHT-OF-WAY & WATERWAY MAINTENANCE:

The Public Grounds division conducts cleaning, mowing, debris removal and general maintenance of City rights-of-way and waterways (detention basins, sinkholes, channels and ditches).

- 4,077 lane miles of streets cleaned, resulting in 7,163 cubic yards of debris collected.
- 3,880 acres of roadside mowed and 379 cubic yards of vegetative debris collected.
- 3,977 acres of City-owned lots mowed.
- 774 deceased animals removed.
- 746 acres of waterways mowed and 229 acres of flow lines cleared, resulting in 557 cubic yards of debris cleared.

TREES AND LANDSCAPING:

The City cares for over 20,000 public trees, 25 acres of landscaped street medians and parkways, and 65 acres of City facilities and other properties throughout the city.

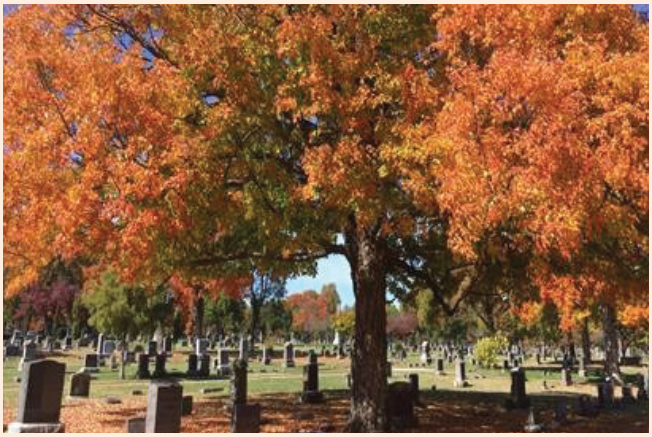
- 340 general reforestation plus 302 NeighborWoods trees planted.
- 3,553 trees monitored.
- 307 trees removed.
- 3,037 trees pruned.
- 4,947 cubic yards of debris collected.
- 352 man hours of landscape irrigation system services.
- 1.2 acres of landscape beds maintained.

HAZELWOOD CEMETERY:

Springfield's Hazelwood Cemetery celebrated its 150th anniversary in October 2017. Hazelwood Cemetery was opened in 1867, and at 60 acres, it is the largest city-owned cemetery in the state with over 44,000 grave spaces. In addition to maintaining the grounds, the Public Grounds division conducts lot sales and performs burial services for the cemetery. Three complete cleanups of the grounds are conducted annually in March, June and September.

In 2018, Hazelwood conducted:

- **111 interments.**
- **54 graves sold.**



GENERAL SERVICES 2018

The General Services division is responsible for the repair and maintenance of all City buildings and vehicles. Keeping internal maintenance services is an efficient way of maintaining and protecting City property.

FACILITY MAINTENANCE

Facilities Maintenance is responsible for the administration and maintenance of all City buildings and facilities.

> 4,347 annual requested work orders completed.

> 5,301 annual preventive maintenance work requests completed.

> Maintains approximately 98 publicly-owned City buildings on 43 sites.

> Maintain and inspect 80 City/County early warning storm sirens.

maintenance and repairs.

> Installed new security lighting in the Washington Avenue and Lyon Avenue railroad underpasses.

> Installed new exterior facility entries and security measures on the Transportation Management Center, Busch Municipal Building, Health Church Building, Police Headquarters, Health Department and

FACILITY DESIGN & CONSTRUCTION

Facility Design and Construction is responsible for the design of construction improvements to City facilities.

2018 COMPLETED PROJECTS:

✔ Council Chambers Audio/Visual Upgrades

✔ City Hall West Parking Lot Security Lighting

✔ Busch Building Exterior Envelope Tuckpointing & Sealing and Glazing Replacement

✔ Signage for Phil Broyles Complex

✔ Busch Building Human Resources Department Office Remodel

✔ Assisted the Airport in project management for Airport Taxilane and Hangar project

Update on priority projects to be funded by voter-approved Level Property Tax and other funding sources:

Springfield Mill & Lumber HVAC Upgrade, Detective Office Infill and Parking Lot Expansion

- Construction began in winter of 2019

Public Works Public Grounds Operations/Maintenance Building

- Public Works continues to evaluate options for site selection

Request for Qualifications issued for new Fire Station Projects

- West Central Fire Station 13
- Replacement Fire Station 4
- Replacement Fire Station 7
- West Fire Station 14

SERVICE CENTER

The Service Center is responsible for the administration, maintenance and repair of not only Public Works vehicles and equipment, but also that of the Springfield Police Department, Fire Department and Environmental Services, among others.

> 1,700 preventive maintenance services performed annually.

> 4,000 work orders completed annually.

> 1,379 TOTAL UNITS maintained by the Service Center, including:

175 sedans

133 SUVs

180 pickup/light-duty

70 medium-duty (box trucks, flatbeds)

106 heavy-duty (dump trucks, etc.)

183 tractor/mower/excavating

532 non-self propelled (trailers, generators, etc.)

2018 TRANSPORTATION ENGINEERING

The Transportation Engineering division manages public improvements from concept through construction, including streets, intersections, streetscapes and bridges. It is also responsible for right-of-way acquisitions for public uses, surveying public property and production and maintenance of City maps and drawings.


Grant Avenue Streetscape


Grand Street Bridge

2018 COMPLETED PROJECTS:

✔ Grant Avenue Streetscape

This project completed streetscape improvements along Grant Avenue between Olive Street and Walnut Street. The project included street improvements, construction of ADA-compliant sidewalks, new storm sewer, gas and water renewals, and signal improvements at the intersection of College Street and Grant Avenue and the intersection of Walnut Street and Grant Avenue.
Design Consultant – Great River Engineering
Contractor – Hunter Chase & Associates
Construction Cost - $1,074,000

✔ Grand Street Bridge

This project removed and replaced the existing bridge over Jordan Creek near the intersection of Grand Street and Kansas Expressway. The project widened Grand Street to three lanes between Kansas Expressway and Park Avenue. The project also included construction of sidewalk, a multi-use path, trail connections, lighting enhancements, and gas and water renewals.
Design Consultant – Crawford Murphy & Tilly
Contractor – Hartman & Company
Construction Cost - $3,090,000

✔ College Street Streetscape

This project completed streetscape improvements along College Street between Grant Avenue and Market Avenue. The project included the construction of ADA-compliant sidewalks, new storm sewer, new roadway improvements, tree wells, lighting enhancements, and gas and water renewals.
Design Consultant – Olsson
Contractor – Woody's Express Trucking
Construction Cost - $1,220,000

✔ Sidewalk Project

This project included construction of new sidewalks in five different locations around the city. The locations were chosen based on requests to the City to fill sidewalk gaps that were outside the school sidewalk limits. This project was funded by one-time funds available through a reset of the City's Community Block Grant Commercial Loan Program.
Contractor – Hunter Chase & Associates
Construction Cost - $138,000

DESIGNS FOR UPCOMING CONSTRUCTION:

Mt. Vernon Street Bridge

This project will remove and replace the structurally deficient bridge over Jordan Creek near the intersection of Kansas Expressway and Mt. Vernon Street. The project will also provide bank stabilization and increased flow capacity for Jordan Creek, add ADA-compliant sidewalks, and connect the existing multi-use trail to Mt. Vernon Street.
Design Consultant – Crawford Murphy & Tilly

Primrose Street

This project will widen Primrose Street to five lanes between South Avenue and Kimbrough Avenue. The project includes the addition of bike lanes, sidewalks, storm sewer, curb and gutter, gas and water renewals, and traffic signal upgrades at the intersection of Jefferson Avenue and Primrose Street.
Design Consultant – Olsson

Division & Grant Intersection

This project will improve the intersection at Division Street and Grant Avenue. The project includes upgrades to the signal equipment, ADA-compliant sidewalks and ramps, and storm sewer improvements.
Design Consultant – CJW Transportation Consultants

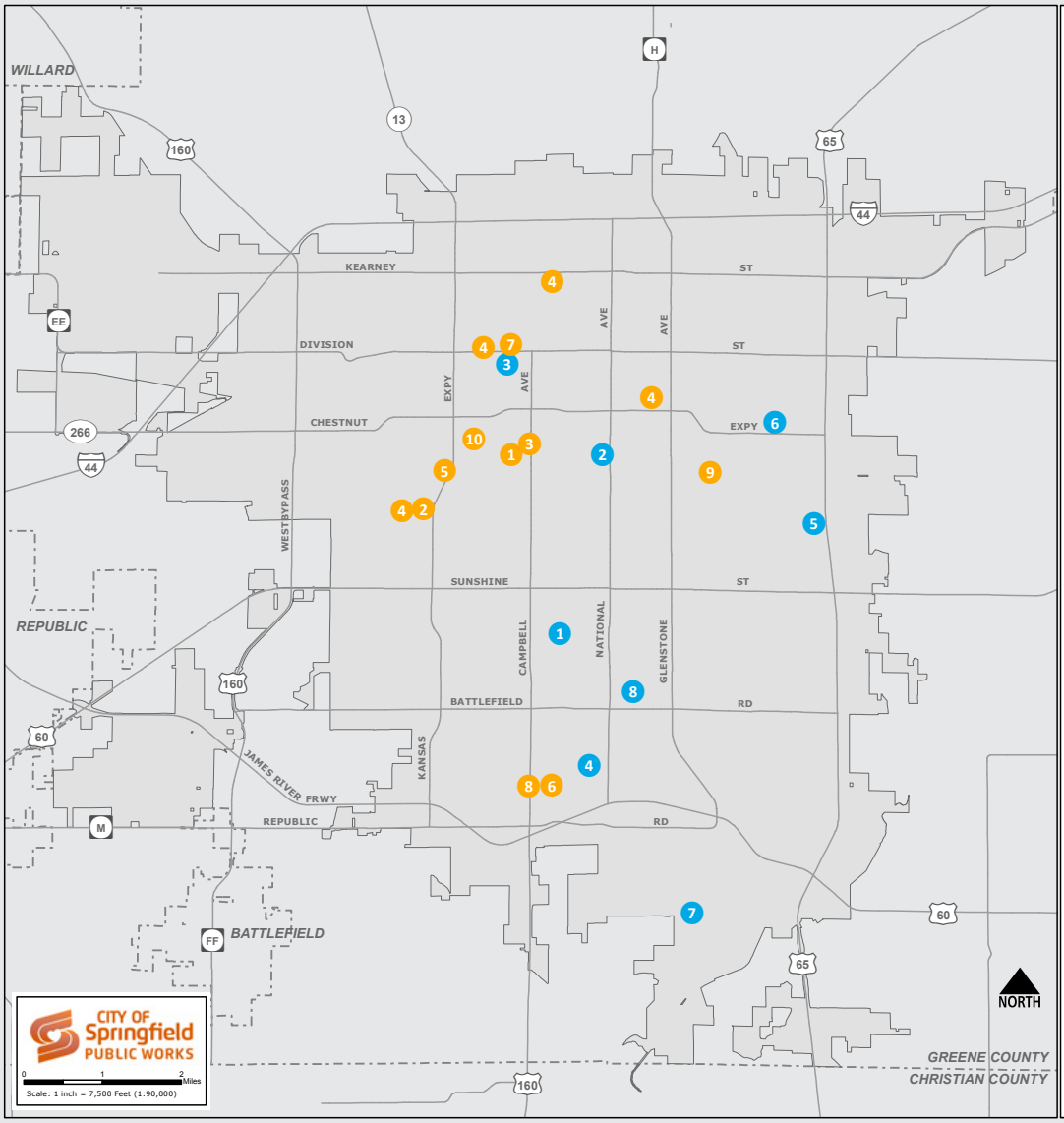
Campbell Avenue Pedestrian Bridge

This project will repair a substructure of the Campbell Avenue Pedestrian Bridge. The repair is to the concrete column on the east side of the bridge.
Design Consultant – Great River Engineering

Cherry Street Widening

This project will widen Cherry Street to three lanes between Barnes Avenue and Oak Grove Avenue. The project includes the addition of bike lanes, sidewalks, storm sewer, curb and gutter, gas and water renewals, and traffic signal upgrades at the intersection of Oak Grove Avenue and Cherry Street.
Design Consultant – Great River Engineering

2018 PROJECTS COMPLETED & IN PROGRESS



TRANSPORTATION PROJECTS

2018 COMPLETED PROJECTS

1. Grant Avenue Streetscape
2. Grand Street Bridge
3. College Street Streetscape
4. Sidewalk Project

COMING SOON

5. Mt.Vernon Street Bridge
6. Primrose Street
7. Division & Grant Intersection
8. Campbell Avenue Pedestrian Bridge
9. Cherry Street Widening
10. West Meadows Trail

STORMWATER PROJECTS

2018 COMPLETED PROJECTS

1. Silsby
2. Walnut Street Box Culvert
3. Grant Beach Box Culvert Replacement
4. Swope & Kings

UNDER CONSTRUCTION

5. Gelven & Withers

COMING SOON

6. Springfield Industrial Park - Prince Lane
7. Ravenwood South - Phase 2
8. 1366 E.Woodgate

West Meadows Trail

The Jordan Creek Trail at West Meadows is part of the overall master plan for redevelopment of the Jordan Creek Valley in downtown Springfield. The trail is also adjacent to Historic Route 66 and the Birthplace of Route 66 Roadside Park. This trail project will create a use for open space that has been part of an environmental clean-up project and is part of an overall plan to the facilitate the redevelopment of a drainage ditch into a living urban stream with streamside amenities.

Design Consultant - Olsson

2018 STORMWATER ENGINEERING

The Stormwater Engineering division works closely with the Water Quality division of the Department of Environmental Services to provide programs, improvement projects, and services to meet the stormwater management needs of the community, reduce potential flood hazards and protect area waterways.


Grant Beach Box Culvert


Walnut Street Box Culvert

2018 COMPLETED PROJECTS:

✔ Silsby

This project included installation of a new underground stormwater system to reduce flooding to streets and private property in the 2200 block of South Roanoke Avenue and the 500 block of East Silsby Street Construction was completed in the fall of 2018.
Designed by: Internal Staff
Constructed by: Hunter Chase & Associates
Construction Cost: $136,000

✔ Walnut St. Box Culvert

This project consists of replacing a dilapidated box culvert from Walnut Street south to the alley. Construction was completed in the fall of 2018.
Designed by: Internal Staff
Constructed by: Hunter Chase & Associates
Construction Cost: $136,000

✔ Grant Beach Box Culvert Replacement

This project consists of replacing a dilapidated box culvert from Walnut Street south to the alley. Construction was completed in the fall of 2018.
Designed by: CJW Transportation Consultants
Constructed by: Pfefferkorn & Drury Construction
Construction Cost: $210,000

✔ Swope and Kings

This project consists of replacing an old channel with dilapidated railroad tie retaining walls with an underground stormwater system.
Designed by: Internal Staff
Constructed by: Internal Crews
Construction Cost: $30,000

UNDER CONSTRUCTION:

Gelven and Withers

This project consists of installation of a new underground stormwater system to intercept runoff and convey it to the Craig Sinkhole. Additional storage will also be excavated in the previously acquired properties around the sinkhole. This project will reduce flooding to streets and private property in the Gelven and Withers Subdivision. Construction began in the fall of 2018 and will be completed in the spring of 2019.
Designed by: Toth & Associates
Constructed by: D & E Plumbing and Heating
Construction Cost: $750,000

PROJECTS IN DESIGN:

Springfield Industrial Park – Prince Lane

This project consists of channel improvements and construction of a new underground stormwater system in Prince Lane to help reduce flooding to Prince Lane and the businesses in that area.
Designed by: CJW Transportation Consultants
Constructed by: Hamilton & Dad
Construction Cost: $166,000

Ravenwood South Phase 2

This project consists of channel improvements downstream of the regional detention basin that was enlarged in phase one. The improvements will increase conveyance to reduce flooding of residential properties and help stabilize a channel that has experienced significant erosion due to upstream development. Design is complete and staff is working to acquire easements.
Construction anticipated: Summer of 2019

1366 E. Woodgate

This project consists of replacing an old channel with dilapidated railroad tie retaining walls.
Construction anticipated: Summer of 2019

CONSTRUCTION INSPECTION

2018

Construction Inspection is responsible for construction administration and inspection of all public infrastructure including permits, streets, sewers and stormwater.

Construction Inspection is the last line of defense to ensure the public is getting what they pay for and the City is receiving a quality product to maintain. The City also ensures correct specifications and standards are being followed to ensure a fair contracting environment.

In 2018, the Construction Inspection division reviewed plans for and provided construction administration and inspection for over $**4.1 million of new public infrastructure** added to the City as a result of private development. This is in addition to inspection of 1/4-cent Capital Improvement and 1/8-cent Transportation projects and street maintenance contracts.

MORE THAN 100 PROJECTS WERE CONSTRUCTED AND ACCEPTED BY THE INSPECTION DIVISION IN 2018.

The Inspection staff also coordinated traffic control, provided guidance, and performed inspections on **1,145 excavation permits**, **204 new driveway permits** and **24 sidewalk permits.**

Coordination of these permits ensures private work does not adversely affect public property, traffic flow and public events.

The division continues to make forward-thinking changes to improve internal processes, coordination with other City departments, and implementation of technology.

INFOR SOFTWARE FOR INSPECTION AND PERMITTING

Public Works has taken a big step with new software called INFOR. This software has been developed in conjunction with other City departments to handle inspections and permitting throughout the development process and for capital projects. Inspectors now have mobile tablets and can perform real-time inspections in the field. They also have the ability to attach photos, videos, and documents to daily inspections which greatly increases the quality of documentation. Public Works continues to work with others to increase the capabilities of the software.

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CITY OF Springfield PUBLIC WORKS

ACCREDITED AGENCY A•P•W•A

The APWA accreditation program recognizes governmental agencies that go beyond the requirements of the management practices established nationally in the public works industry.

The APWA accreditation indicates that Public Works staff are dedicated to concepts of continuous improvement and in-depth self-assessment of department policies, procedures, and practices.